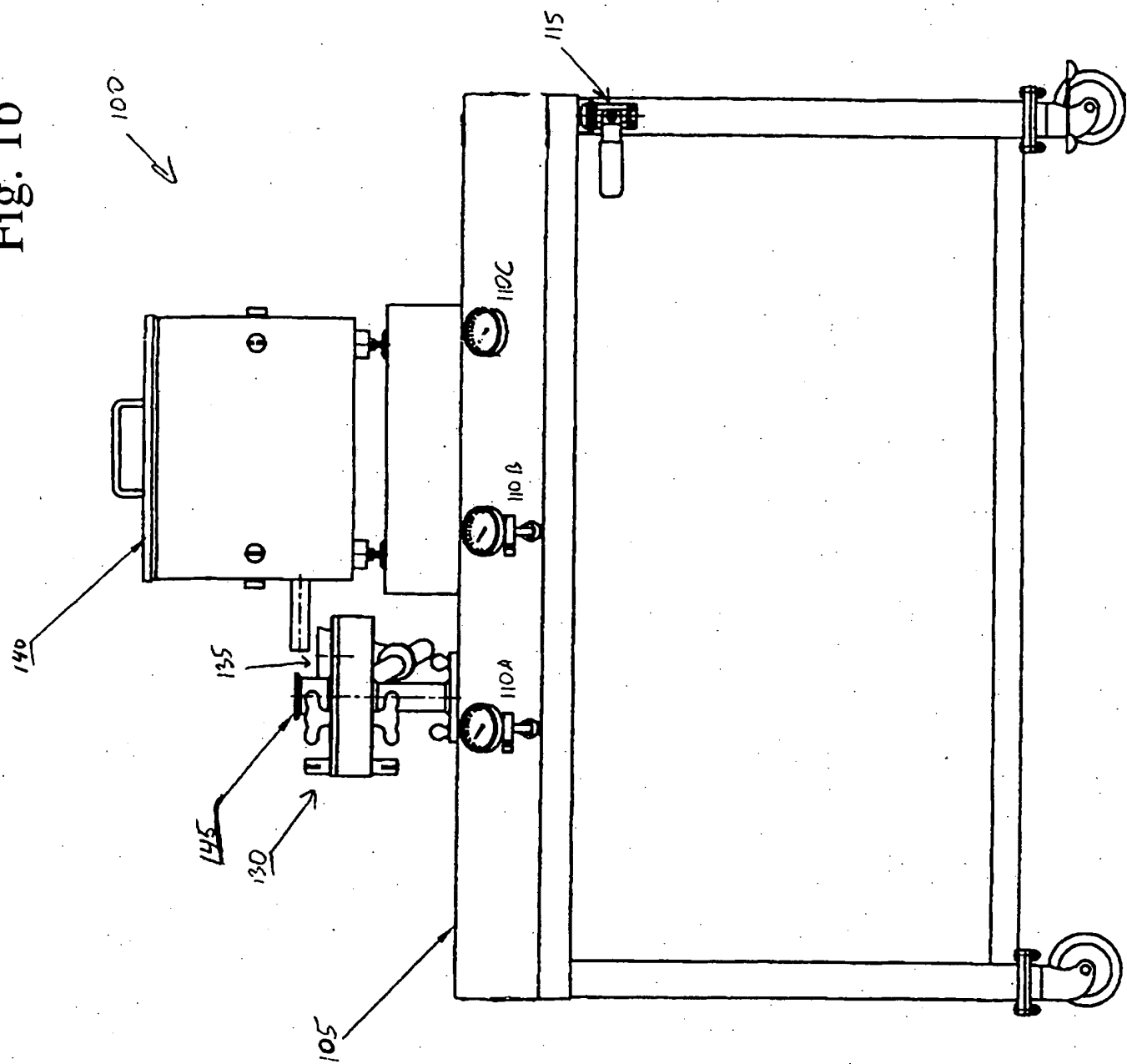


FIGURE 1a

Fig. 1b



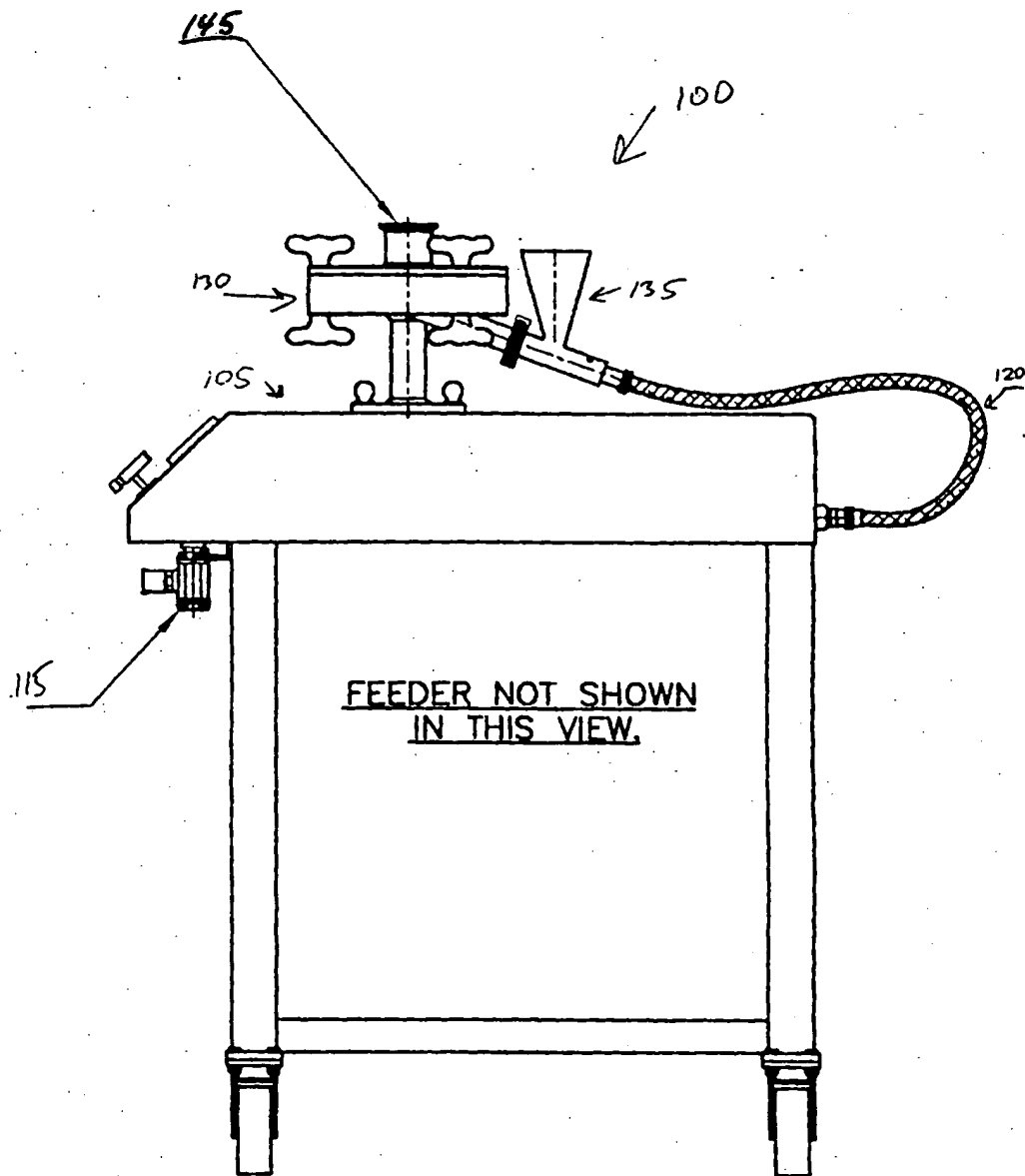


Fig. 1c

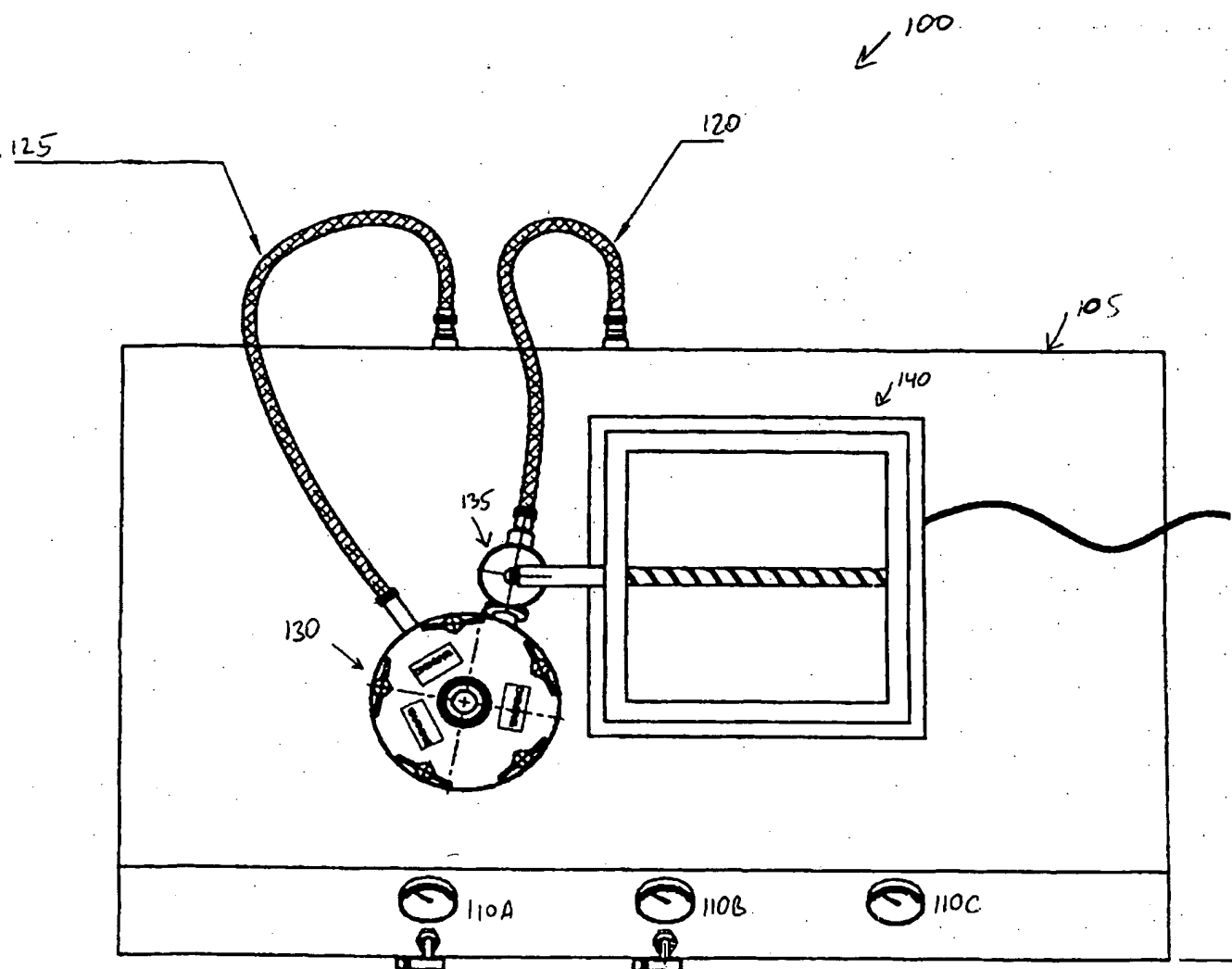
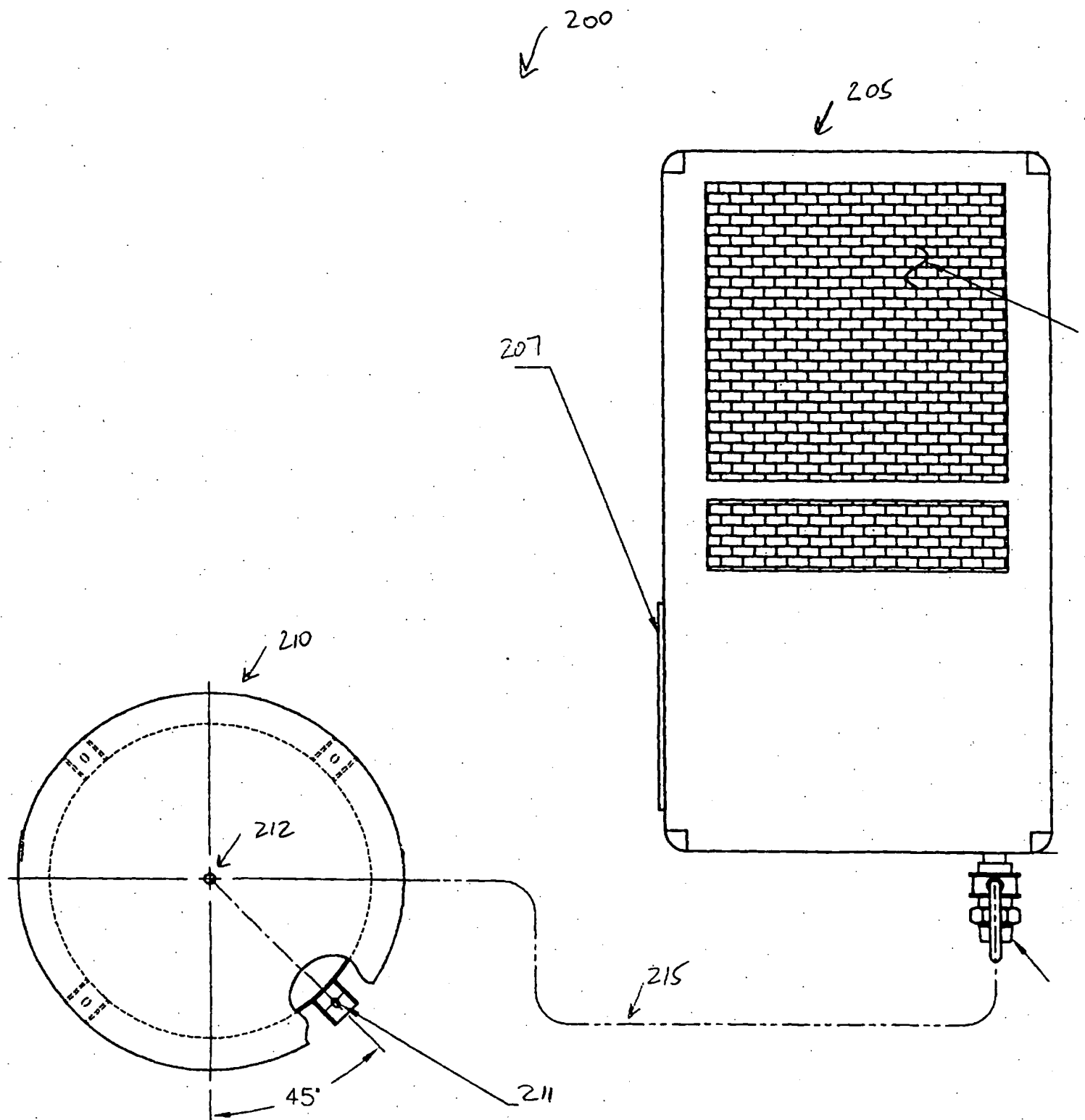


Fig. 1d

Fig. 1f



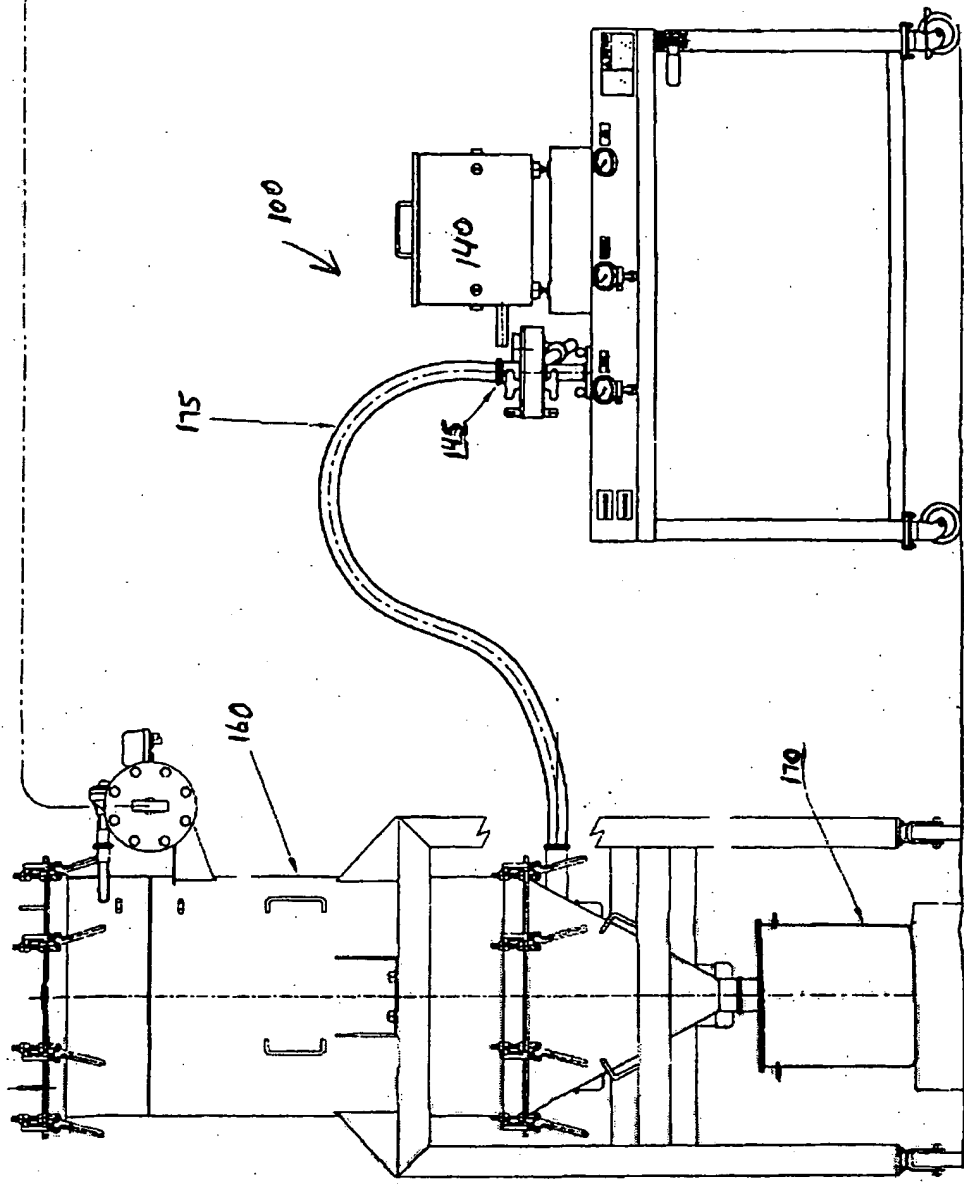


Fig. 1g

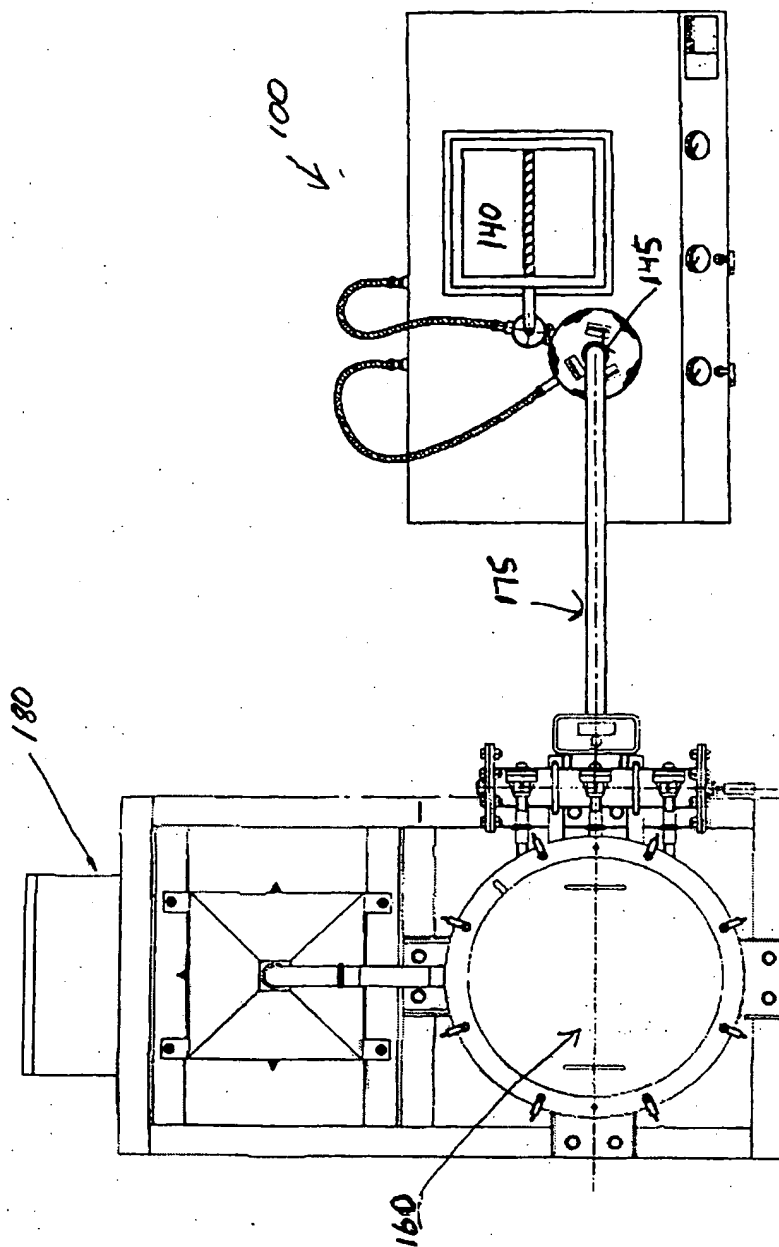


Fig. 1h

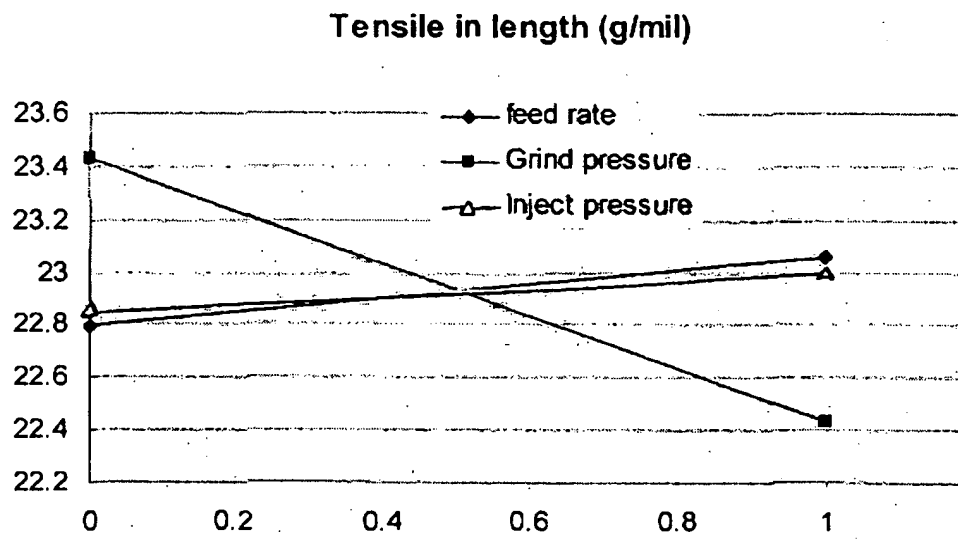


Fig. 1i

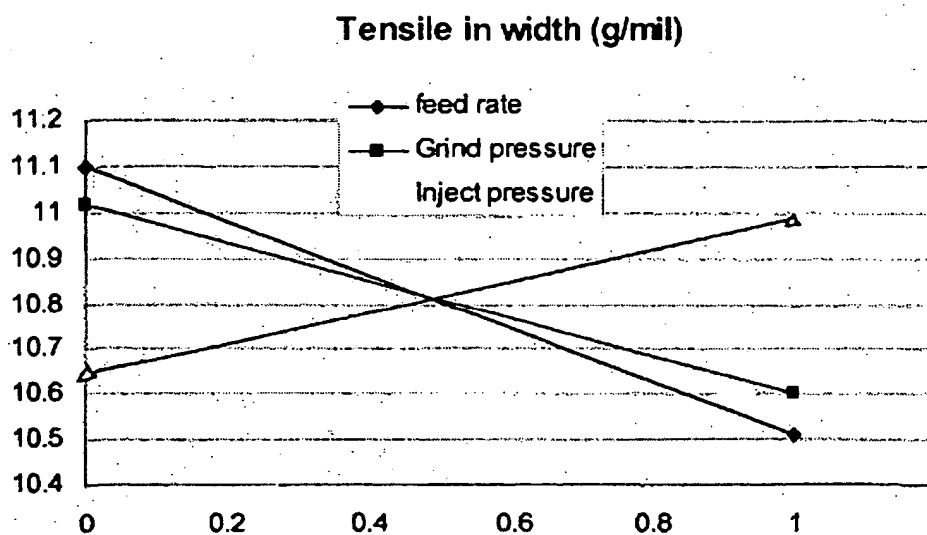


Fig. 1j

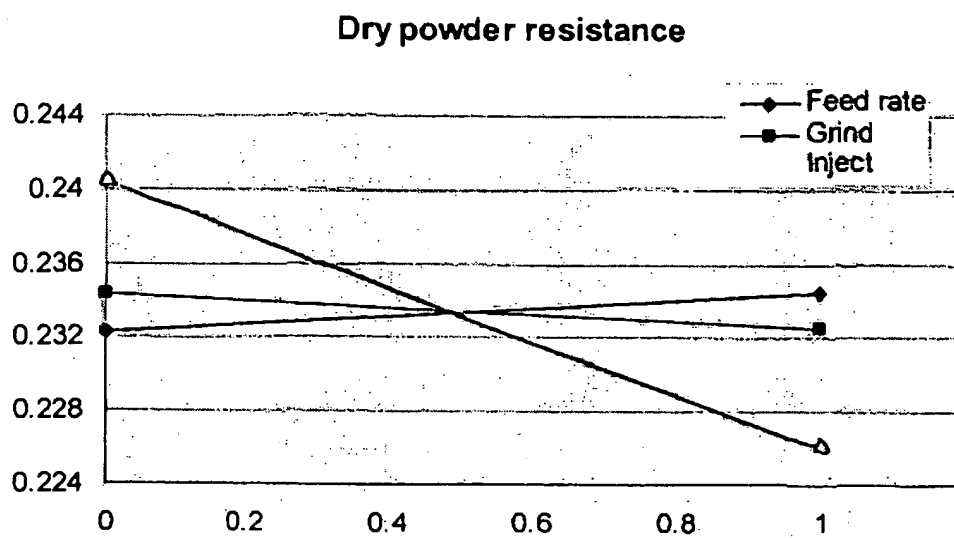


Fig. 1k

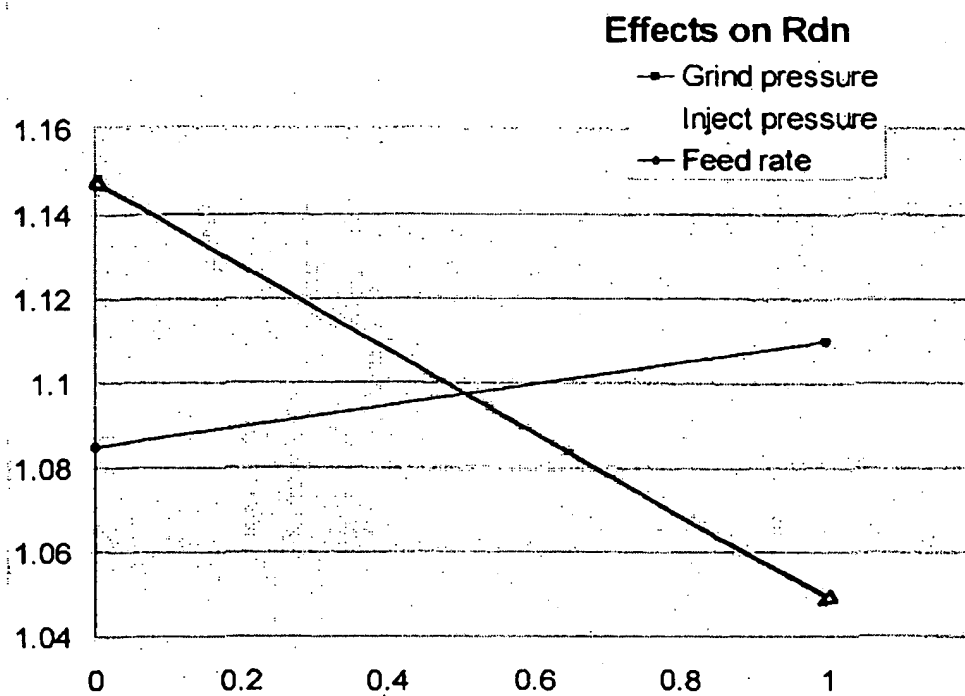


Fig. 1m

Effects on Cup

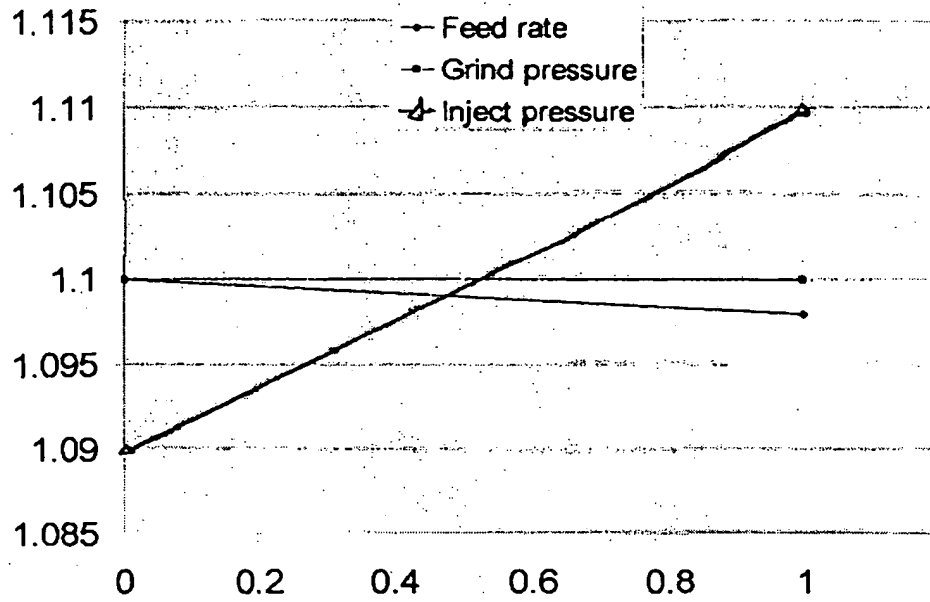


Fig. 1n

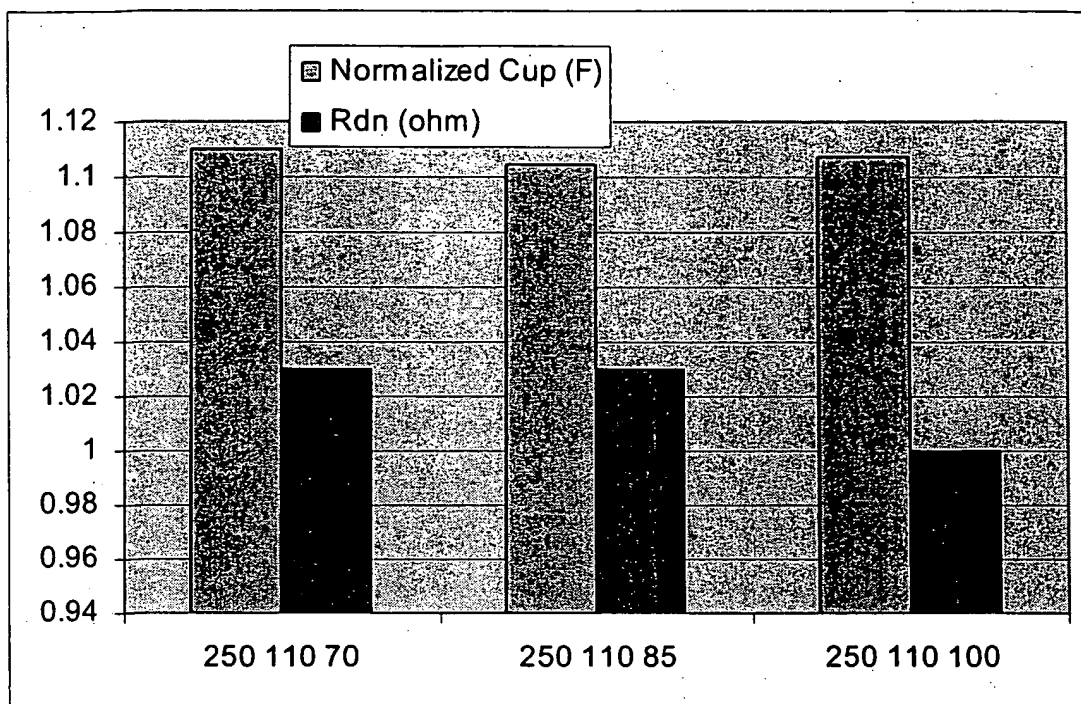


Fig. 1p

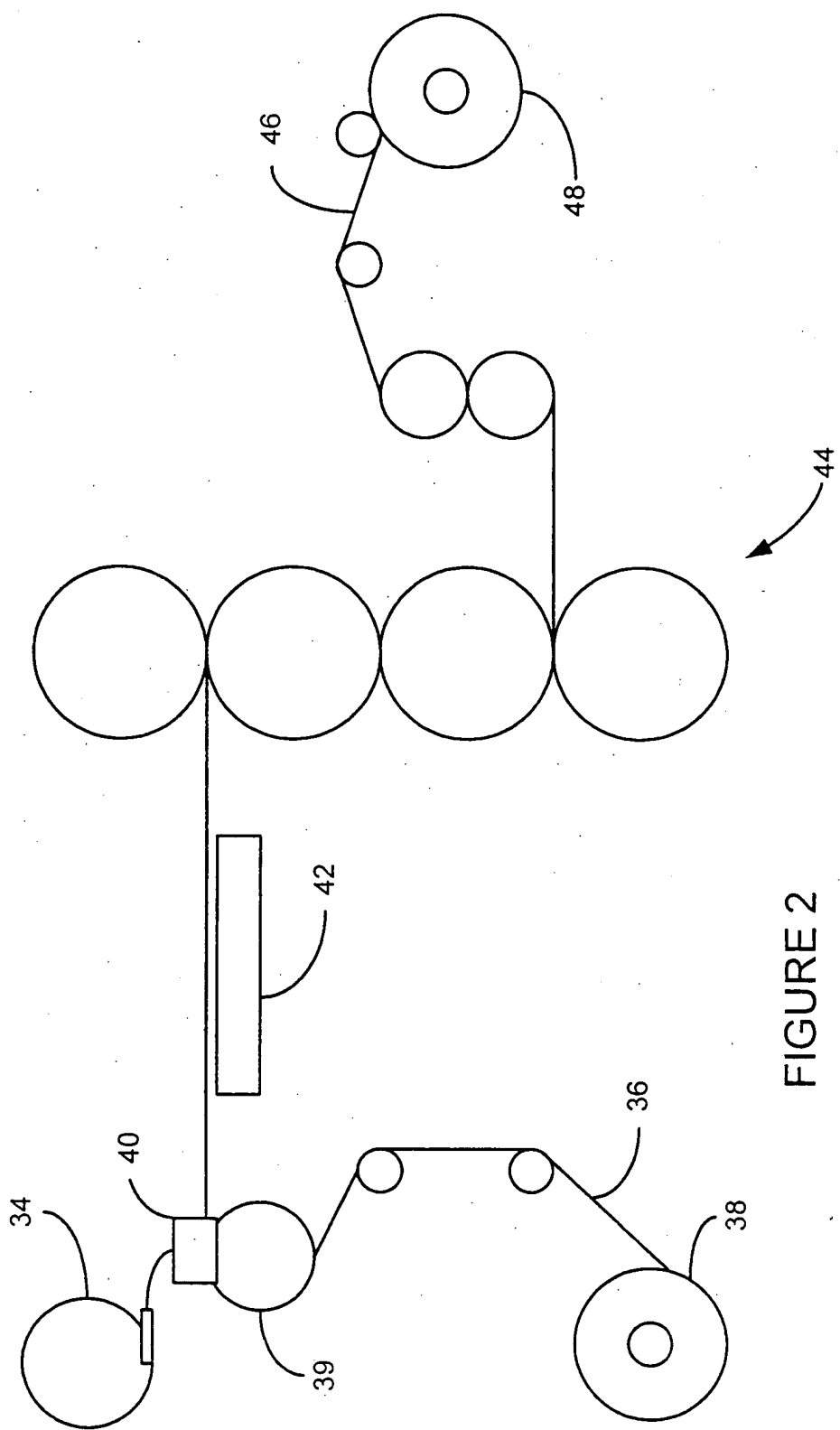


FIGURE 2

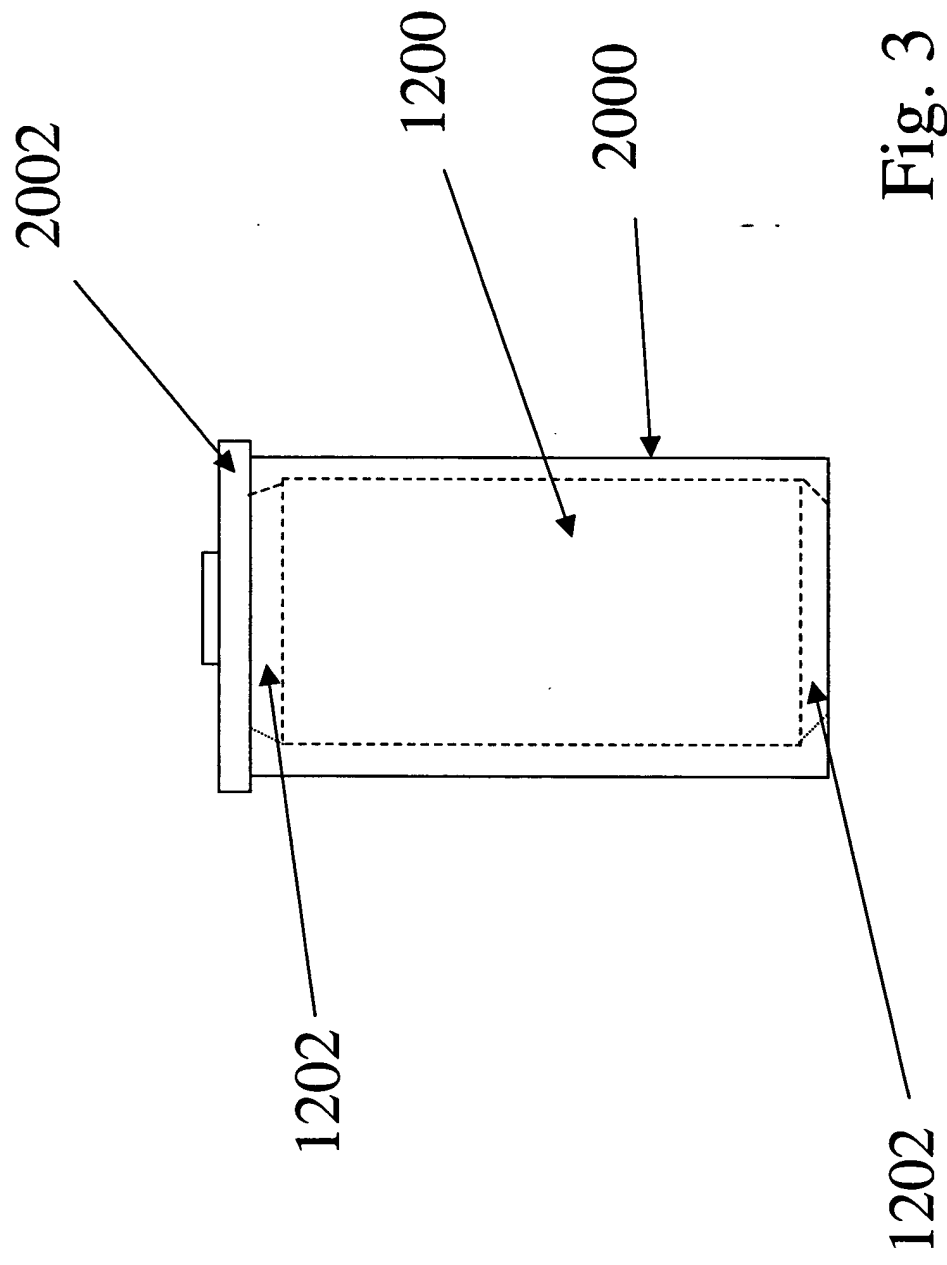


Fig. 3